

Field Data Form: Road-Stream Crossing Inventory

Coordinator	Crossing ID#
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Date: _____ Stream/River: _____ Road: _____ Town: _____

Location: _____ GPS Coordinates (lat/long): _____

Observer: _____ Phone #: _____ Email address: _____

Photo IDs: _____ Bearing US _____ Bearing DS _____

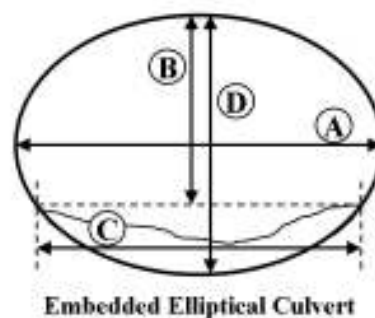
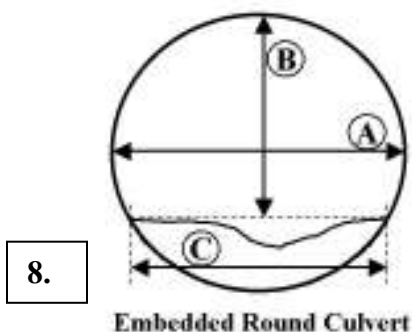
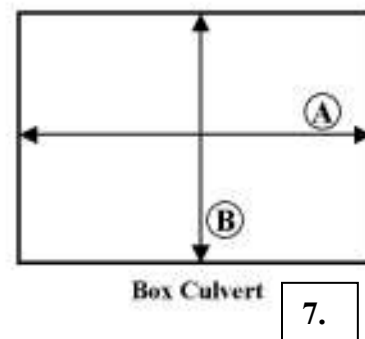
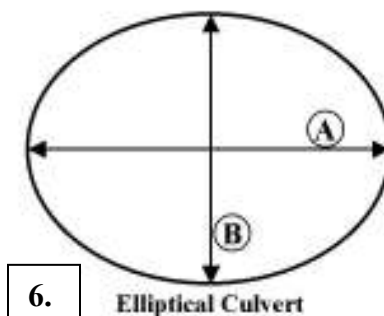
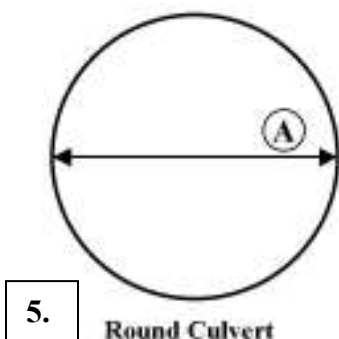
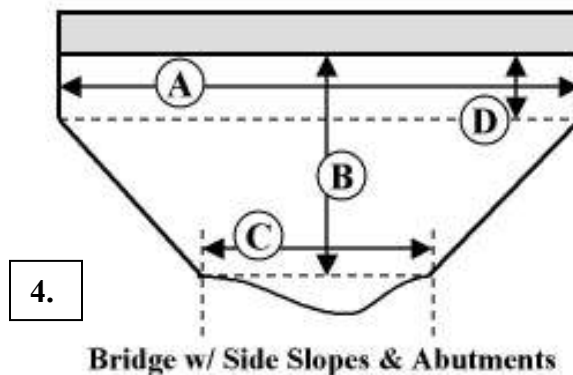
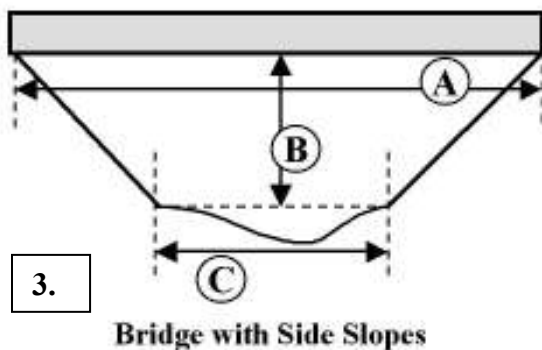
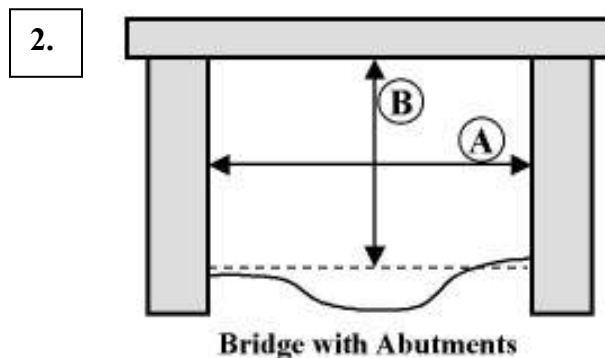
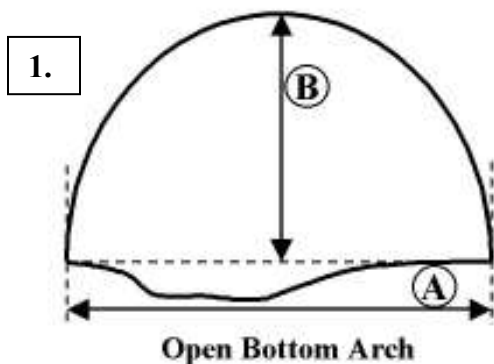
Road/Railway Characteristics

1. Number of Travel Lanes: _____ Shoulder/ Breakdown lanes: ☐ Yes ☐ No Road Surface: ☐ Paved ☐ Unpaved
2. Are any of the following conditions present that would significantly inhibit wildlife crossing over the road?
- | | | |
|--|------------------------------|-----------------------------|
| High traffic volume (> 50 cars per minute) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Steep embankments | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Retaining walls | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Jersey barriers | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Fencing | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Guard Rail | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Curbs | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Other (specify) _____ | | |

Crossing/Stream Characteristics (during generally low-flow conditions)

3. Crossing Type: ☐ Ford ☐ Bridge ☐ Open Bottom Arch ☐ Single Culvert ☐ Multiple culverts (# of culverts) _____
- 3a. Construction material ☐ Plastic ☐ Concrete ☐ Stone ☐ Steel ☐ Other _____
4. Condition of crossing: ☐ New ☐ Old ☐ Collapsing ☐ Eroding ☐ Rusted
- Describe condition _____
5. Is the stream flowing (in the natural channel)? ☐ Flowing ☐ Ponded ☐ Dry
6. Flow conditions are: ☐ unusually low ☐ typical low-flow ☐ average flow ☐ higher than average
7. Are any of the following problems present? (see attached glossary and illustrations)
- | | | | | | |
|--------------|------------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|
| Inlet drop | <input type="checkbox"/> _____ in. | <input type="checkbox"/> 0-6" | <input type="checkbox"/> 6-12" | <input type="checkbox"/> 12-24" | <input type="checkbox"/> >24" |
| Outlet perch | <input type="checkbox"/> _____ in. | <input type="checkbox"/> 0-6" | <input type="checkbox"/> 6-12" | <input type="checkbox"/> 12-24" | <input type="checkbox"/> >24" |
- With a perched outlet, circle one: **Cascade** **Freefall**
- | | | |
|------------------|------------------------------|-----------------------------|
| Flow contraction | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|------------------|------------------------------|-----------------------------|
8. Tailwater armoring: ☐ Extensive ☐ Not Extensive ☐ None
9. Tailwater scour pool: ☐ Large ☐ Small ☐ None
10. Physical barriers to fish and wildlife passage: ☐ Permanent ☐ Temporary ☐ None
- Describe any barriers: _____
11. Substrate in crossing? ☐ No substrate ☐ Partial substrate ☐ Substrate < 1' ☐ Substrate > 1'
12. Crossing substrate: ☐ Natural ☐ Non-natural ☐ Contrasting ☐ Comparable
- Substrate comments: _____
13. Water depth matches that of the stream? ☐ Yes (comparable) ☐ No (significantly deeper) ☐ No (significantly shallower)
14. Water velocity matches that of the stream? ☐ Yes (comparable) ☐ No (significantly faster) ☐ No (significantly slower)
15. Crossing slope matches that of the stream? ☐ Yes (comparable) ☐ No (significantly steeper) ☐ No (significantly flatter)
16. Crossing span: ☐ Constricts channel ☐ Spans active channel ☐ Spans bankfull width ☐ Spans channel & banks
17. Minimum structure height at low water (from water level to the roof inside the structure) ☐ > 6 ft. ☐ 4-6 ft. ☐ < 4 ft.

18. Comments



Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Note: When inventorying multiple culverts, label left culvert 1 and go in increasing order from left to right from downstream end (outlet) looking upstream.

Number of Culverts or Bridge Cells _____

Culvert or Bridge Cell 2 of _____

Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 3 of _____

Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 4 of _____

Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 5 of _____

Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____

Culvert or Bridge Cell 6 of _____

Crossing Type (from above): ☐ 1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ Ford

Upstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Downstream Dimensions (ft.): A) _____ B) _____ C) _____ D) _____

Length of stream through crossing (ft.): _____